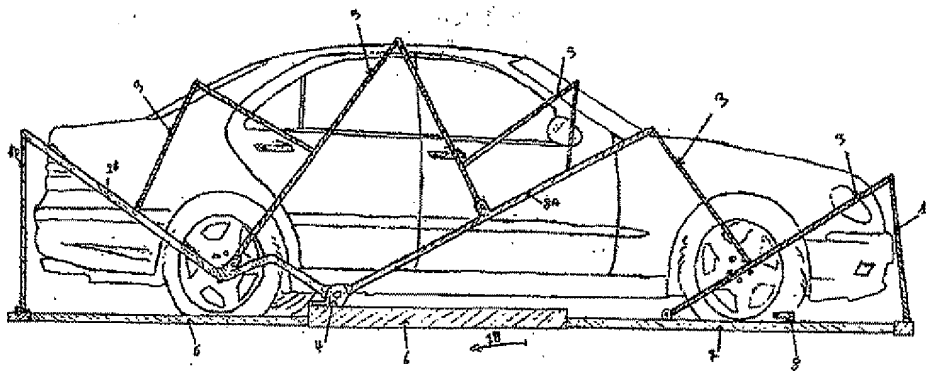
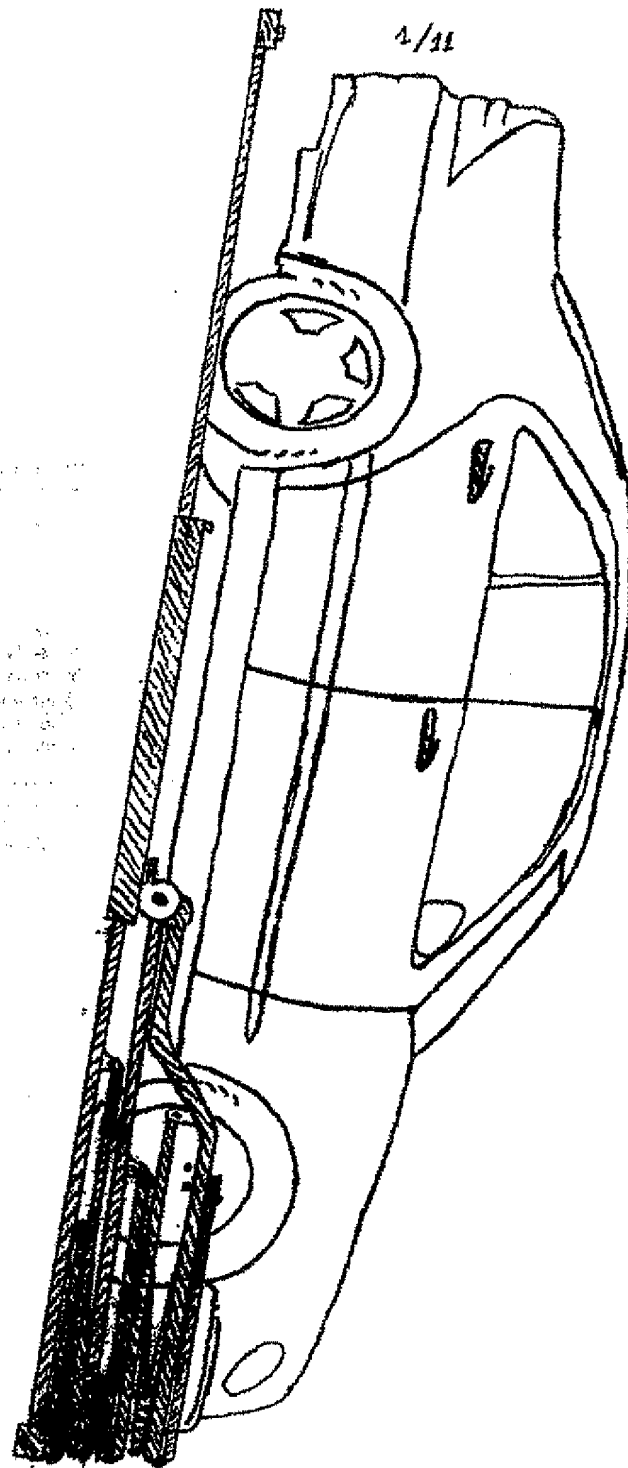
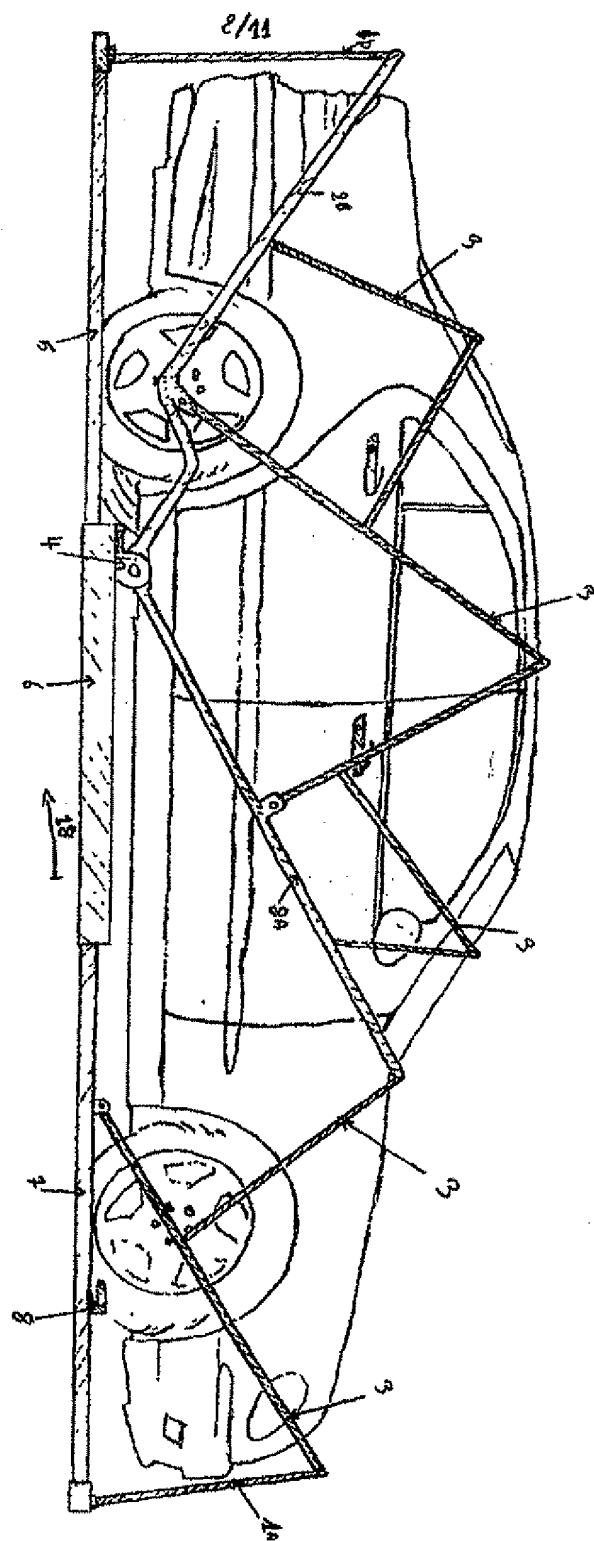


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B60J 11/00 // E04H 6/04**(52) UK CL (Edition V):**
B7J J61
E1D DTNK**(56) Documents Cited:**
EP 0555791 A1 DE 003816475 A1
FR 002444139 A1 JP 100148039 A
US 5740826 A US 4886083 A
US 2798501 A**(58) Field of Search:**
UK CL (Edition T) B7J J61, E1D DTE DTEA DTEB
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INT CL⁷ B60J 11/00, E04H 6/04 15/06 15/38 15/44
15/46 15/48
Other: Online: WPI, EPODOC, PAJ**(54) Abstract Title: Collapsible canopy for a car**

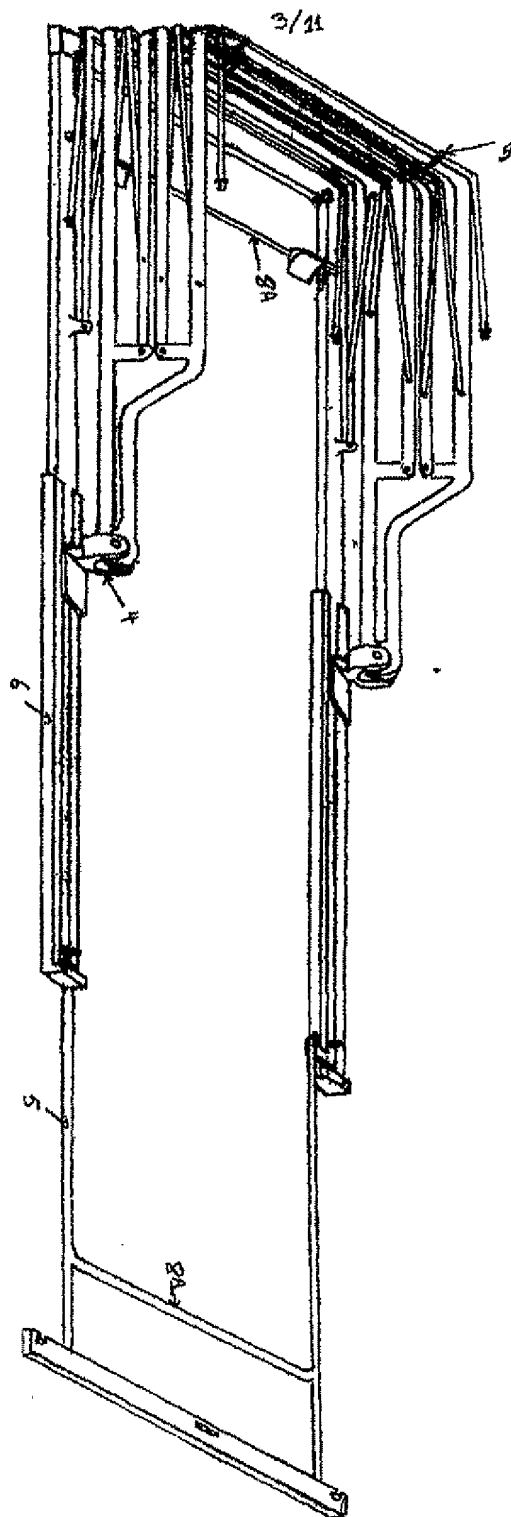
(57) A canopy for a motor car comprises a waterproof cover supported on a collapsible frame. The whole structure is prevented from moving when in use by the weight of the car on transverse elements (8A, 8B, fig 3/11) of the base frame 5, 7. Some of the cover supporting elements 3 of the frame are pivotally attached to the base 7, while others are pivotally attached to a mechanism 4 which is able to slide along track elements 6 of the base as the structure is folded or unfolded. An arrangement (11, fig 9/11) may be provided at the end of the track elements 6 to prevent involuntary collapse of the structure when it is in an unfolded state.

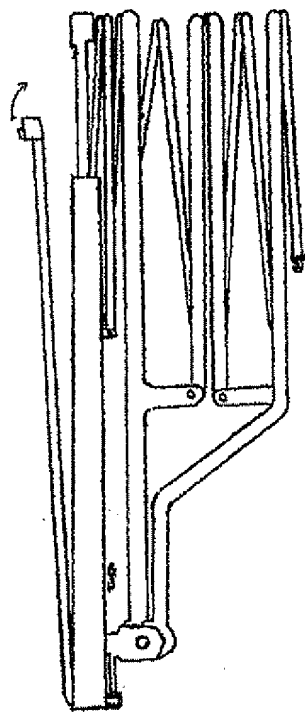
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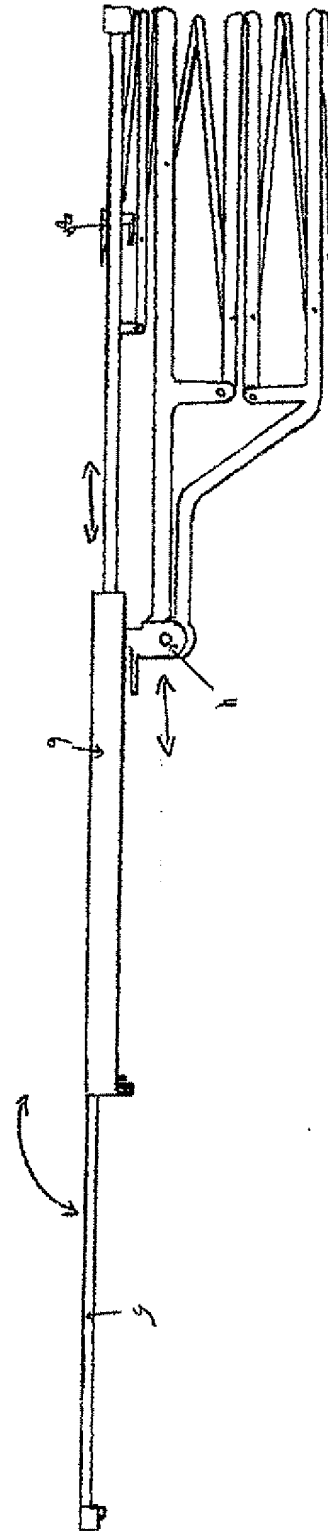


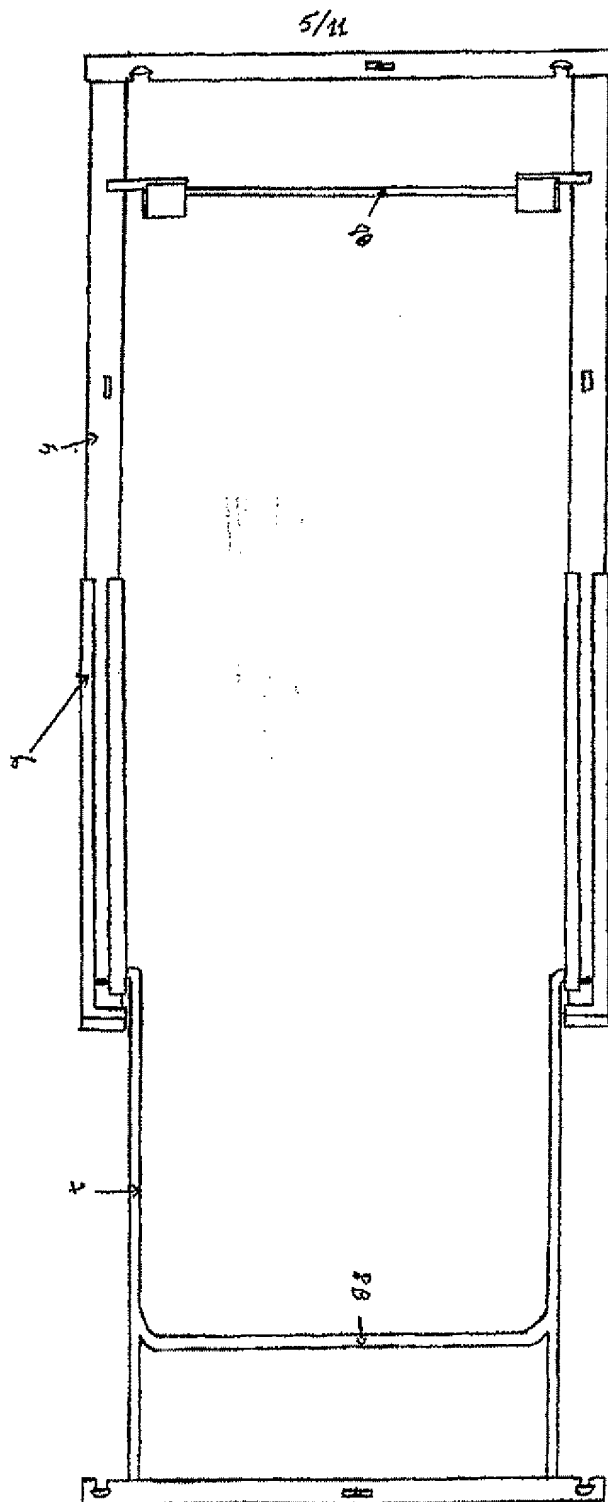
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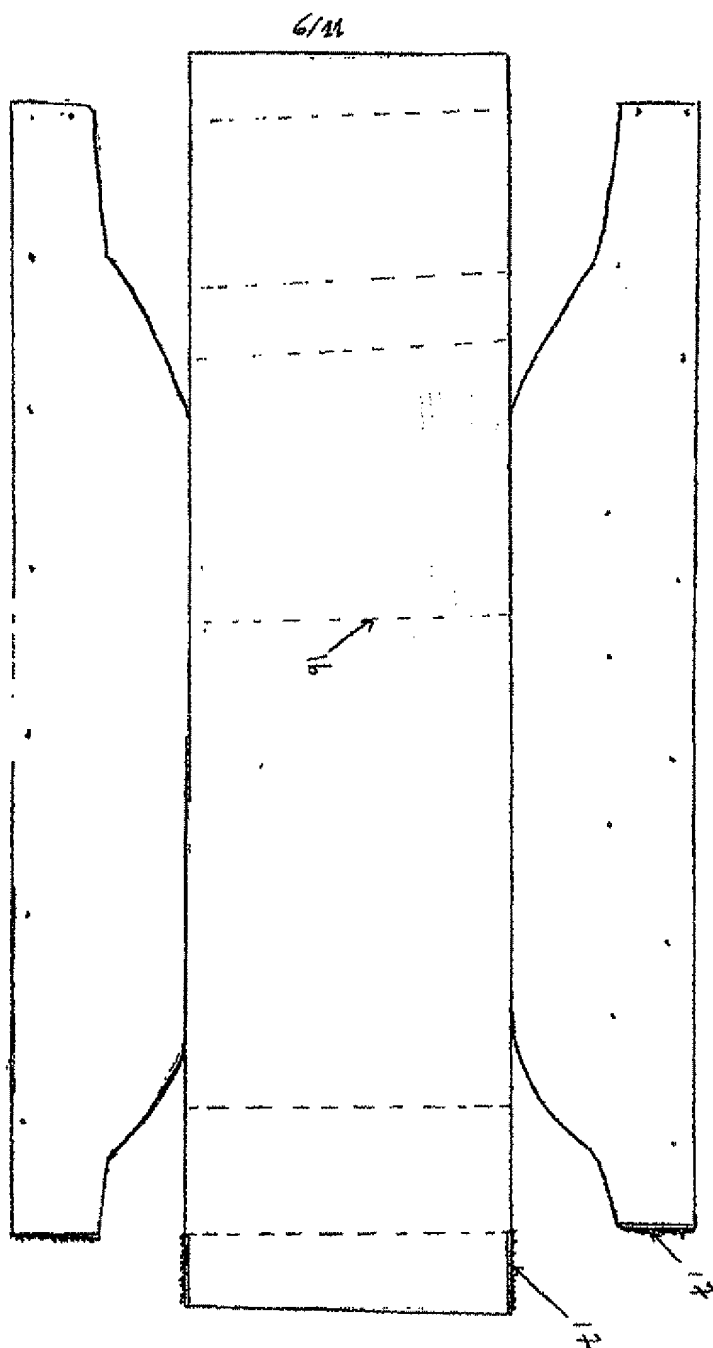




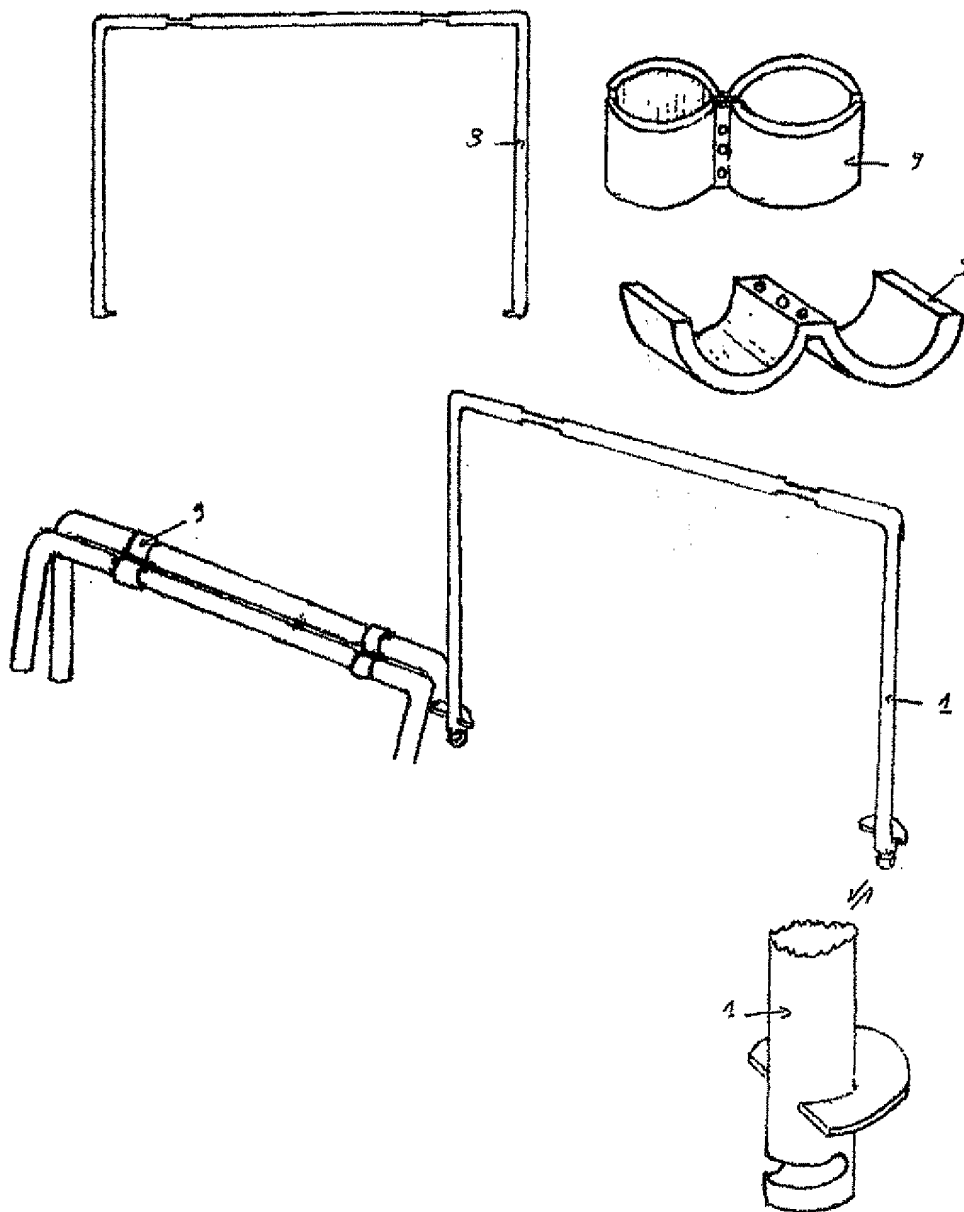
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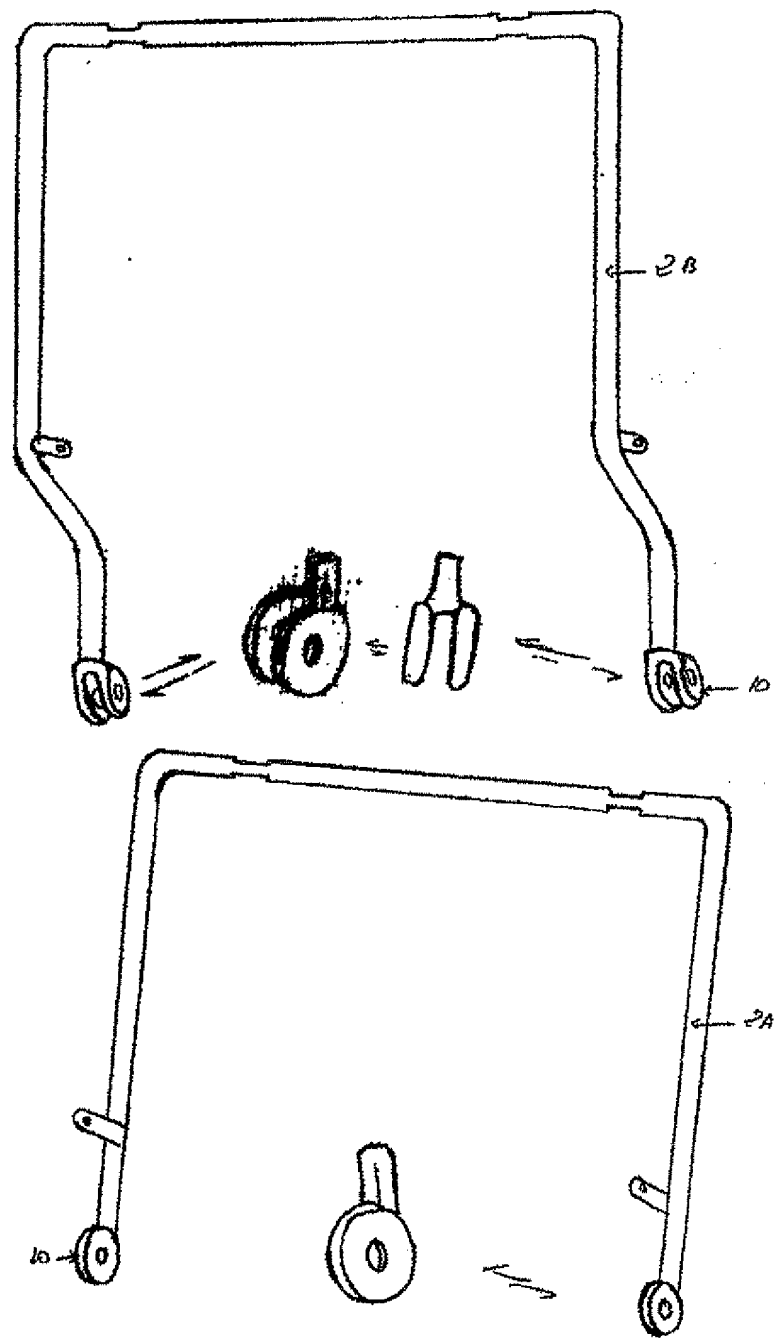


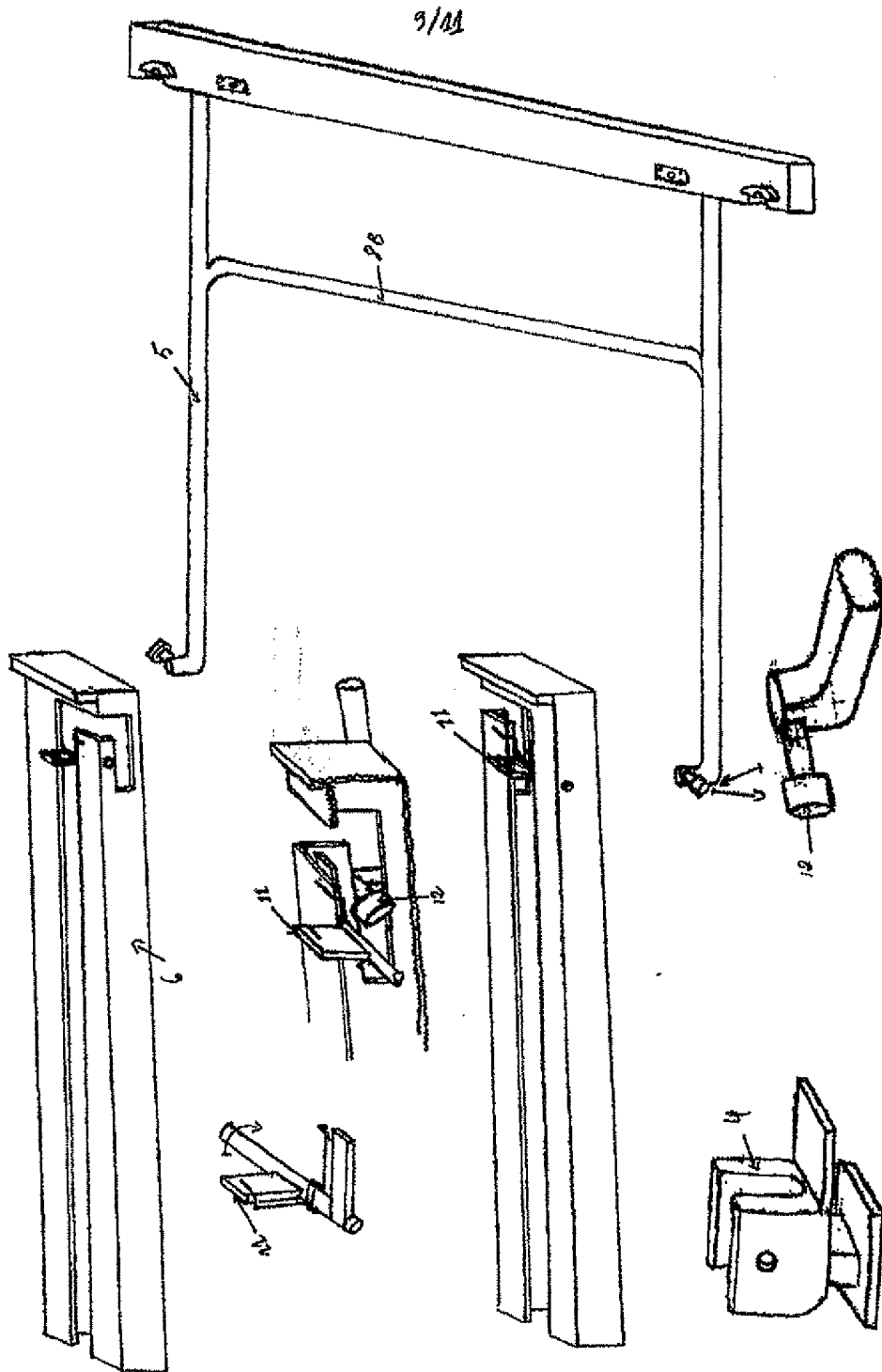


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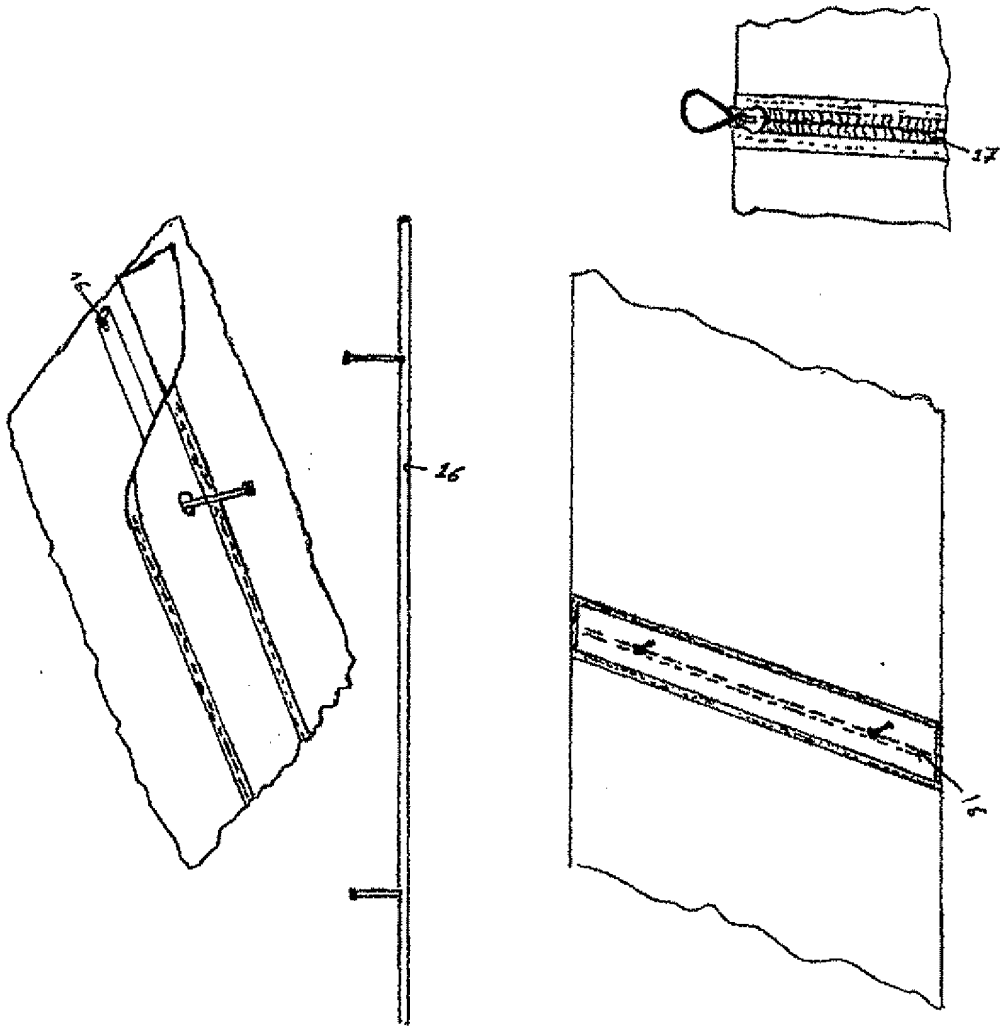


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11/11



CAR SECURITY FOLDER

The invention associates with a car safety of the type that includes foldable cover and framework, which installed on a slide base, which may be put anywhere convenient.

Recently, more and more people have luxury and expensive cars, but not every car owner could get their own garages. As a result, the car would be targeted to many unknowns, such as weather, domestic incidents and crimes.

The purpose of the invention is to provide one kind of car security equipment to solve the problems caused by the absence of the garages.

Accordingly, this invention provides a car security system which including a foldable covered framework mounted on a slide base. Two stabilisers on the base make use of the self-weight of the car to fix the whole device. A hinge on the slide base slides from one end to another to open or close the covered framework. The key feature of the invention is to protect the whole body of the car from all kinds of damages to crimes.

Additionally, the invention has a few other features, for instance, keeping the cars clean, easy to use, the foldable design that doesn't occupy too much space, last but not least, it would reduce the criminals' attention to the cars.

Preferably the cover is made of light, strong and water-proof materials, at the same time the framework and the base are recommended to be made of very light, strong and antirust materials.

A preferred embodiment of the invention will now be described with reference to the accompanying drawings in which:

Sheet 1/11 shows in perspective, a car located in the security folder which is closed without the cover;

Sheet 2/11 shows in perspective, a car located in the security folder which is opened without the cover;

Sheet 3/11 illustrates the three-dimensional drawing of the car security folder without the cover;

Sheet 4/11 shows the effect drawings of the base which folded and slided;

Sheet 5/11 indicates the overlook view of the base;

Sheet 6/11 displays the spread drawing of the cover.

Referred to the drawings this car security folder comprises a cover (sheet 6/11 shown), a foldable framework mounted on an adjustable base combined by two mobile bases 5, 7, a mobile track 6 and two different shapes of the stabilisers 8a, 8b as shown in sheets 4/11 and 5/11, which are used to fix the device by using the car wheels.

In order to make use of the device to protect a car, firstly releasing the mobile base 5 from the mobile track 6 as shown in sheet 9/11, then putting the device without the mobile base 5 under the front of a car until the front wheels touch the stabiliser 8a, next, sliding the mobile track 6 and putting the mobile base 5 into the side slots of the mobile track 6 as shown in sheet 9/11 to make sure the rear wheels touch the another stabiliser 8b, when the movement is completed can see the effect from sheet 1/11.

The second step is to open the framework with the cover. Locking up the legs 1a on the mobile base 7, then moving the hinge 4 in the direction of the arrow 18 the hinge 4 slides on the mobile track 6 running along the whole covered framework, until arrests at the end of the mobile track 6. This movement makes the fasten 11 (sheet 9/11 shown) automatically lock up the end of the mobile base 5. Finally, zipping up the zips 17 on the cover, letting the legs 1b go through the zip rings and being locked into the locks which on the mobile bases 5, as illustrated in sheet 2/11.

To remove the security system from the car the steps described above are carried out in the reverse sequence.

CLAIMS

1. A car security folder including a foldable covered framework mounted on a slide base. Two stabilisers on the base make use of the self-weight of the car to fix the whole device. A hinge on the slide base slides from one end to another to open or close the covered framework.
2. A car security folder as claimed in Claim 1, wherein the stabilisers are provided on the base co-operable with the legs of framework to fix the device.
3. A car security folder as claimed in Claim 1, wherein the hinge on the slide track is adapted to co-operate with a demountable base to fix the device.
4. A car security folder as claimed in Claim 2, wherein the locks are provided at both sides of the base to strengthen the device.
5. A car security folder as claimed in any preceding claims, wherein the base is composed of three parts: two mobile bases and one mobile track.
6. A car security folder whose cover is made of light, strong and water-proof materials, at the same time the framework and the base are recommended to be made of very light, strong and antirust material.
7. A car security folder substantially as described herein with reference to Sheets 1-11/11 of the accompanying drawing



INVESTOR IN PEOPLE

Application No: GB 0212707.4
Claims searched: 1-7

Examiner: Wayne Fleet
Date of search: 28 November 2002

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Patents Act 1977 Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:
UK CI (Ed.T): B7J (J61); E1D (DTE, DTEA, DTEB, DTNC, DTNK, DTNL)
Int CI (Ed.7): B60J 11/00; E04H 6/04, 15/00, 15/06, 15/38, 15/44, 15/46, 15/48
Other: Online: WPI, EPODOC, JAPIO

Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
A	EP 0555791 A1 (CAMPANELLA)	-
X	DE 3816475 A1 (PFEIFER) See WPI Abstract Accession No. 89-349097/37 and figures	1 at least
X	FR 2444139 A1 (CARNICERO) See WPI Abstract Accession No. 80-J6143C/37 and figures	1 at least
X	JP 100148039 A (HARADA) See WPI Abstract Accession No. 98-371470/32 and figures	1 at least
X	US 5740826 (NEVIN) See whole document	1-6
X	US 4886083 (GAMACHE) See whole document	1-3, 5, 6
A	US 2798501 (OLIVER)	-

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art
Y	Document indicating lack of inventive step if combined with one or more other documents of same category	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application